Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, comprising:

a load driving section configured to sequentially drive the ~~load~~ plurality of loads by supplying a voltage and a current;

a switching section configured to select and switch ~~conditions of~~ the load driven by the load driving section, the load being selected from the plurality of loads; ~~and~~

a memory which stores characteristic information of the plurality of loads; and

a control section configured to ~~obtain~~ read load characteristic information after switching by the switching section from the memory before the switching, and to set a voltage and a current by which the load driving section drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory in synchronization with timing of the switching.

2. (Cancelled)

3. (Currently amended) The apparatus according to claim 1, wherein [[:]] ~~the load comprises one load; and~~

the switching section switches ~~one load~~ the plurality of loads between presence and nonpresence.

4. (Currently amended) The apparatus according to claim 1, wherein the ~~load is an LED~~ plurality of loads are LEDs.

5. (Currently amended) The apparatus according to claim 4, wherein the characteristic information contains a V_f value when a predetermined current amount is supplied to the LED.

6. (Original) The apparatus according to claim 4, wherein the characteristic information contains an emission amount when a predetermined current amount is supplied to the LED.

7. (Original) The apparatus according to claim 1, further comprising:

a detection section configured to detect the characteristic information.

8. (Currently amended) The apparatus according to claim 7, wherein

the ~~load is an LED~~ plurality of loads are LEDs, and

the detection section includes a light sensor configured to detect [[a]] light emitted from the ~~LED~~ LEDs.

9. (Cancelled)

10. (Currently amended) The apparatus according to claim [[9]] 1, wherein

the load is ~~an LED~~ a plurality of LEDs, and

the ~~characteristic~~ memory ~~section~~ stores a predetermined emission amount of the LED corresponding to a current value supplied to the LED.

11. (Original) The apparatus according to claim 4, wherein the control section sets a current value and a voltage value of the load driving section at different timings.

12. (Original) The apparatus according to claim 4, wherein the control section sets a voltage value of the load driving section before predetermined time of the switching timing if the voltage value of the load driving section after the switching timing is larger than that of the same before the switching timing.

13. (Original) The apparatus according to claim 12, wherein the predetermined time corresponds to power source response time.

14. (Currently amended) A lighting apparatus which lights a display device displayed by a video signal, comprising:

a driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, including:

a load driving section configured to sequentially drive the ~~load~~ plurality of loads by supplying a voltage and a current;

a switching section configured to select and switch ~~conditions of~~ the load driven by the load driving section, the load being selected from the plurality of loads; ~~and~~

a memory which stores characteristic information of the plurality of loads; and

a control section configured to ~~obtain~~ read load characteristic information after switching by the switching section from the memory before the switching, and to set a voltage and a current by which the load driving section drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory in synchronization with timing of the switching; and

a light emitter configured as a load driven by the load driving section to light the display device, wherein

the switching section selects the light emitter driven in synchronization with timing of the video signal.

15. (Original) The apparatus according to claim 14, wherein the light emitter includes an LED.

16. (Original) The apparatus according to claim 14, wherein the timing of the video signal is a video synchronous signal.

17. (Currently amended) A display apparatus comprising:

a display device configured to display a video by a video signal; and

a lighting apparatus which lights the display device, including:

a driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, having:

a load driving section configured to sequentially drive the ~~load~~ plurality of loads by supplying a voltage and a current;

a switching section configured to select and switch ~~conditions of~~ the load driven by the load driving section, the load being selected from the plurality of loads; ~~and~~

a memory which stores characteristic information of the plurality of loads; and

a control section configured to ~~obtain~~ read load characteristic information after switching by the switching section from the memory before the switching, and to set a voltage and a current by which the load driving section drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory in synchronization with timing of the switching; and

a light emitter configured as a load driven by the load driving section to light the display device, wherein

the switching section selects the light emitter driven in synchronization with timing of the video signal.

18. (Original) The apparatus according to claim 17, wherein the display device includes an LCD.

19. (Previously presented) The apparatus according to claim 17, wherein the display device includes a digital micromirror device.

20. (Currently amended) A driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, comprising:

load driving means for sequentially driving the ~~load~~ plurality of loads by supplying a voltage and a current;

switching means for selecting and switching ~~conditions of~~ the load driven by the load driving means, the load being selected from the plurality of loads; ~~and~~

memory means for storing characteristic information of the plurality of loads; and

control means for ~~obtaining~~ reading load characteristic information after switching by the switching means from the memory means before the switching, and setting a voltage and a current by which the load driving means drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory means in synchronization with timing of the switching.

21. (Currently amended) A lighting apparatus which lights a display device displayed by a video signal, comprising:

a driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, including:

load driving means for sequentially driving the ~~load~~ plurality of loads by supplying a voltage and a current;

switching means for selecting and switching ~~conditions of~~ the load driven by the load driving means, the load being selected from the plurality of loads; ~~and~~

memory means for storing characteristic information of the plurality of loads; and

control means for ~~obtaining~~ reading load characteristic information after switching by the switching means from the memory means before the switching, and setting a voltage and a current by which the load driving means drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory means in synchronization with timing of the switching; and

light emitting means, as a load driven by the load driving means, for lighting the display device, wherein

the switching means selects the light emitting means driven in synchronization with timing of the video signal.

22. (Currently amended) A display apparatus comprising:

a display device configured to display a video by a video signal; and

a lighting apparatus which lights the display device, including:

a driving apparatus which drives ~~a load by switching driving conditions with time~~ while sequentially switching a plurality of loads in time series, including:

load driving means for sequentially driving the ~~load~~ plurality of loads by supplying a voltage and a current;

switching means for selecting and switching ~~conditions of~~ the load driven by the load driving means, the load being selected from the plurality of loads; ~~and~~

memory means for storing characteristic information of the plurality of loads; and

control means for ~~obtaining~~ reading load characteristic information after switching by the switching means from the memory means before the switching, and setting a voltage and a current by which the load driving means drives the load to a voltage and a current corresponding to the load characteristic information ~~after the switching~~ read from the memory means in synchronization with timing of the switching; and

light emitting means, as a load driven by the load driving means, for lighting the display device, wherein

the switching means selects the light emitting means driven in synchronization with timing of the video signal.